

CLAIMS

What is claimed is:

1. A wireless terminal device for use in a wireless system, wherein said wireless terminal device is communicatively connectable to a host computer, comprising:
 - (a) a case having a power supply and means for accepting input from a user, wherein said input is directed to said host computer through a switching device connected to said host computer;
 - (b) a visual display of information responsive to said input;
 - (c) control functionality and memory relating to operations of said wireless terminal device, said control functionality and memory mounted to said case; and
 - (d) means, mounted to said case, for transmitting and receiving signals formatted for digital Internet Protocol (IP) data capable of being routed over a computing network, wherein said signals include an identification of said wireless terminal device; andwherein said wireless terminal device is caused to emulate the operation of said host computer.
2. The wireless terminal device of claim 1, further comprising a data storage device.
3. The wireless terminal device of claim 1, further comprising a hard drive.
4. The wireless terminal device of claim 1, further comprising flash memory.

5. The wireless terminal device of claim 1, further comprising a keyboard.
6. The wireless terminal device of claim 1, further comprising an input device for moving a cursor on said visual display.
7. The wireless terminal device of claim 1, wherein said visual display is a liquid crystal display (LCD).
8. The wireless terminal device of claim 1, further comprising a sound output device connectable to internal or external speakers.
9. The wireless terminal device of claim 1, further comprising one or more external hardware interfaces selected from the group consisting of keyboard, mouse, video, Universal Serial Bus, serial, parallel, fiber, component, RJ45, RJ232, RJ11, PS2, and sound.
10. The wireless terminal device of claim 1, further comprising one or more antennas to transmit and receive said signals.
11. The wireless terminal device of claim 1, further comprising an embedded central processing unit (CPU) having a software operating system.
12. The wireless terminal device of claim 1, further comprising a standard central processing unit (CPU) in communication with a software operating system stored on an attached hard drive.

13. The wireless terminal device of claim 1, wherein a plurality of said transmitted or received signals are multiplexed.
14. The wireless terminal device of claim 1, wherein said case comprises at least two hinged panels, and wherein a first said panel includes a keyboard, and a second said panel includes said visual display.
15. The wireless terminal device of claim 1, wherein said power supply is capable of accepting alternating current (AC) or direct current (DC).
16. The wireless terminal device of claim 1, wherein said power supply is a battery.
17. The wireless terminal device of claim 1, further comprising a Secure Socket Layer (SSL) encryption mechanism.
18. The wireless terminal device of claim 1, further comprising a WEP encryption model.
19. The wireless terminal device of claim 1, further comprising a public key infrastructure (PKI) encryption model, and wherein a key for encryption and decryption of said signals is stored in said memory.
20. The wireless terminal device of claim 1, wherein said visual display is a 24-bit color display.

21. The wireless terminal device of claim 1, further comprising identification means for authenticating a user, and wherein said identification means includes fingerprint identification.

22. The wireless terminal device of claim 1, further comprising identification means for authenticating a user, and wherein said identification means includes voice recognition.

23. The wireless terminal device of claim 1, further comprising identification means for authenticating a user, and wherein said identification means includes retinal scanning.

24. The wireless terminal device of claim 1, further comprising identification means for authenticating a user, and wherein said identification means includes smart card verification.

25. The wireless terminal device of claim 1, wherein video data is buffered in said memory.

26. The wireless terminal device of claim 1, further comprising tracking means for tracking said wireless terminal device on a global scale.

27. The wireless terminal device of claim 26, wherein said tracking means employs the Global Positioning Satellite (GPS) to receive coordinates and sends said coordinates over a GSM, CDMA, or TDMA based network via the SMS or GPRS protocol and service.

28. The wireless terminal device of claim 26, wherein said tracking means employs the Global Positioning Satellite (GPS) to receive coordinates and sends said coordinates via satellite communications.

29. The wireless terminal device of claim 26, wherein said tracking means employs a triangulation system of a cellular carrier to receive coordinates and sends said coordinates over a GSM, CDMA, or TDMA based network via the SMS or GPRS protocol and service.

30. The wireless terminal device of claim 26, wherein said tracking means employs a triangulation system of a cellular carrier to receive coordinates and sends said coordinates via satellite.

31. The wireless terminal device of claim 26, wherein said tracking means employs a system on a chip (SOC) design.